



Product Design Engineer- Christchurch

Position title	Product Design Engineer
Location	EPL Christchurch
Reports to	General Manager Sales and Marketing
Date	October 2019

Position Purpose

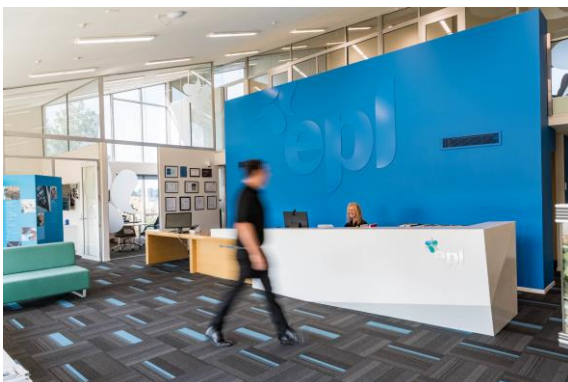
You will be the driving force behind innovation. Innovation comes from creativity and creativity comes from curiosity.

Initially working with the Development Manager, this role designs profiles for extrusions for our customers and EPL.. You will also act as Technical Support to the sales team.

This job will involve daily co-operation with the R&D team in Christchurch and support the R&D team in Thailand . You will work closely with our customer engineers, The Global Sales Team, Tool Makers and the Manufacturing team to ensure the effective and efficient development of new extrusions.

About EPL

With an approach refined over more than 45 years of polymer product design and development, we offer real end to end solution delivery. As leading polymer manufacturing experts, we bring a unique blend of experience, technology and scale to provide high quality, competitive polymer products across a range of applications and industries.



Our Values

- Everyone’s Wellness & Safety Matters
- Innovation Sets Us Apart
- Do It Once, Do It Right
- Our Pride, Our Customer, Our Company
- Make A Positive Difference
- One Team

Personal Dimension

Direct Reports – Nill
Indirect Reports – Nill
Expenditure Authority – As per Delegated Authority

Key Relationships

As well as the Managing Director, Chief Executive Officer and Chief Financial Officer there are a number of key internal and external relationships.

Internal		External
Thailand Based	New Zealand Based	
Sales & Operations Manager	General Manager Sales and Marketing	Customers
Factory / Technical Manager	Research and Development Manager	Suppliers
Production Planner	Business Development Managers	Industry Bodies
Quality Manager	Development Manager	
Accountant	Product Design Engineer	
Tool Room	Tool Room	
Customer Services Staff	Engineering Team	
	Customer Service/ Admin Team	
	Supply Chain Manager	



The Development Process

We have a three stage development process



Design

The Product Design Engineer will work with the customer, The Business Development Manager, The R&D Team and Manufacturing team to design a profile for extrusion. There may be multiple designs and meetings with the customer during this phase. The Product Design Engineer provides the drawings and other relevant technical information



Develop

Once the customer has signed off the design, the next stage is for the R&D team to develop the dies and create an Off Tool Sample (OTS) or for a rapid prototype to be developed and signed off by the customer before the die is developed and OTS is created.



Manufacture

Only once we have received the customers OTS approval, development will move into the final stage of manufacture. We will manufacture a production run to ensure it meets the specification.

Product Design Engineer – Key duties

- Work with our clients and the sales teams to turn the customers ideas into reality
- Liaising and managing the design process with the Sales team, R&D Team and Manufacturing Team
- Develop design requirements and conceptual designs
- Perform preliminary analysis
- Responsible for design records and documentation
- Support the trial and manufacturing teams in qualification testing and production of new designs
- Create detailed engineering drawings for production
- Ensure that your designs pass design qualification criteria and work with the team to achieve this
- Proactively identify opportunities for improvements or cost/efficiency reductions
- Re-actively troubleshoot and resolve performance, quality, cost and delivery issues
- Work with technicians and other engineers performing production to create simple and easy to interpret processes
- Project manage the development process along with the BDM's
- Design of customer contract products for extrusion
- Design of EPL's own products
- Working with the Sales Team, R&D Team and Manufacturing team to improve processes
- Work with the Quality team on NCR resolution
- Extend the capabilities and knowledge of the R&D Teams
- Provide the Global Sales Team Technical support

Skills & Experience

- A degree in Product Design or an equivalent qualification (or working towards it)
- Strong experience working with CAD program
- Document management system experience
- Excellent knowledge of polymers
- You must be able and willing to travel both domestically and internationally
- Have full drivers' licence
- Must hold New Zealand citizenship or New Zealand Permanent Residency
- Strong mathematical skills
- Strong knowledge of chemistry ,especially polymers

